



NORTH AMERICA
EAST COAST
MASSACHUSETTS

GLoucester Harbour

FROM THE UNITED STATES COAST SURVEY

1854

Eastern Pt. Light $42^{\circ} 34' 47''$ N.
 $70^{\circ} 39' 33''$ W.

H.W.E & C. XIIth A^m.—Springs rise 10 $\frac{1}{2}$. Neaps 8 $\frac{1}{2}$ feet.

g. gravel, hd. hard, m. mud, r. rock, s. sand, sh. sholls, sf. soft.

Variation in 1862, increasing 4' annually.

SOUNDINGS IN FATHOMS

SAILING DIRECTIONS

Approaching Gloucester from Cape Ann, beware of the Londoner, a rock 200 yds in extent, $\frac{1}{2}$ a mile S.E. by E. from Thatcher's Ind South L^t. There is a channel to the West $\frac{1}{4}$ of a mile wide, with 5 & 6 fms, but strangers should pass to the East^d, not approaching the Lights nearer than one mile, till they bear N.W. With Thatcher's Ind L^t in one bearing N. by E. $\frac{1}{2}$ E. one mile distant, steer S.W. by W. $\frac{1}{2}$ W. five miles till East P^t Light bears nearly North, haul round the P^t to the North^d and West^d, keeping $\frac{1}{2}$ a mile from shore to clear East Point Ledge and Dog Bar.

To enter South East Harbour Bring Ten Pound Light to bear NNE $\frac{1}{2}$ E. and run for it, when within $\frac{1}{2}$ a mile, or halfway between it and Black Bess Point, steer ENE $\frac{1}{2}$ E. towards Long Beach to Anchorage in 5 and 6 fms, muddy bottom.

To enter Inner Harbour Bring Ten Pound L^t to bear N.E. & steer N.E. $\frac{1}{2}$ N. passing on Port-hand of Round Rock Shoal and Ten Pound Ledge, when Ten Pound L^t bears E. S.E. distant 300 yds, steer N.E. by E. $\frac{1}{2}$ E. into Inner Harbour.

